

Braskem PE LL-318

Linear Low Density Polyethylene

Braskem

Message:

Description:

LL318 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by Spherilene process. Developed for cast film extrusion. Films obtained with this product show good mechanical properties and enhanced sealability. It contains antioxidant additives.

Applications:

Stretch films; liners; LPED and HDPE blends and packages for general use.

General Information	
Features	Good Processability
	Low Gel
	Opticals
Uses	Blending
	Film
	General Purpose
	Liners
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Cast Film
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD : Break, 38 µm	30.0	MPa	
TD : Break, 38 µm	30.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	1200	%	
TD : Break, 38 µm	1400	%	
Flexural Modulus			ASTM D790
1% Secant, MD : 38 µm	180	MPa	
1% Secant, TD : 38 µm	200	MPa	
Dart Drop Impact (38 µm)	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD : 38 μm	120	g
TD : 38 μm	340	g
Optical	Nominal Value	Test Method
Gloss (60°, 38.0 μm)	19	ASTM D2457
Extrusion	Nominal Value	Unit
Melt Temperature	170 to 210	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

